

479467-continued

JH-74-82. Japan. US National Arboretum. 51093. Collected September 17, 1982. Abashiri National Forest, Urbar, Abashiri-shi, Hokkaido. 230m. Snow cover 50cm or deeper for 20 days. Minimum temperature -29C. Growing in field no. 122. Seed collected from one plant. Wild. Seed.

479468 TO 479470. *Lilium* sp. (Liliaceae).

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.; March, S.; Ohio Agricultural Research & Development Center; US National Arboretum; Wooster, Ohio; Washington, D.C.
Received February 1983.

479468. JH-141-82. Japan. US National Arboretum. 51163. Collected September 21, 1982. School yard, Kushiro, Hokkaido. Snow cover 50cm or deeper for 6 days. Minimum temperature -28C. Bulblets collected from plant. Cultivated. Bulbs.

479469. JH-181-82. Japan. US National Arboretum. 51198. Collected September 27, 1982. Along road 38 SE of Yamabe, Higashiyama, Furano-shi, Hokkaido. Lat. 43 deg. 12' N, Long. 142 deg. 27' E. Snow 2.5m per annum. Minimum temperature -30C. Leaves lustrous, deep green above. Flowers orange with dark purple spots, tepals reflexed, styles and filaments bright orange. Cultivated for commercial production of bulbs. Used for food. Cultivated. Bulbs.

479470. JH-182-82. Japan. US National Arboretum. 51199. Collected September 27, 1982. Along road 38 SE of Yamabe, Higashiyama, Furano-shi, Hokkaido. Lat. 43 deg. 12' N, Long. 142 deg. 27' E. Snow 2.5m per annum. Minimum temperature -30C. Flowers not seen. Bulbs used for food. Cultivated. Bulbs.

479471. *Lindera umbellata* Thunb. (Lauraceae).

From Japan. Collected by Kawase, M.; Nielsen, D.; Meyer, F.; March, S.; Ohio Agricultural Research & Development Center; US National Arboretum; Wooster, Ohio; Washington, D.C.
Received February 1983.

JH-321-82. Japan. US National Arboretum. 51340. Collected October 09, 1982. Along Kendo #1 Hwy, Kansuizawa, Aomori-shi, Aomori-ken, Honshu. 730m. Lat. 40 deg. 39' N, Long. 140 deg. 50' E. Snow 2-3m; 58 days covered by snow 50cm or deeper. Minimum temperature -20C. Shrub deciduous, 2.5-3m tall, upright habit, stems upright. Leaves bright green above, blue green beneath. Fruit black. Growing in open woodland with *Sasa*. Seed collected from several plants. Wild. Seed.